

WHAT IS CLAIMED IS:

1. A support rack assembly, comprising a base, and a support seat adjustably mounted on the base, wherein:

the base has a top face having a center formed with a cylindrical barrel extended upward, the barrel of the base has a periphery formed with a plurality of upright guide tracks each extended along a longitudinal direction of the barrel of the base, each of the guide tracks of the barrel has an uppermost portion formed with an arcuate limit slot extended downward in an oblique manner;

the support seat has a periphery formed with a plurality of screw bores each aligning with a respective one of the guide tracks of the barrel, and the support rack assembly further comprises a plurality of adjusting screws each extended through a respective one of the guide tracks of the barrel and each screwed into a respective one of the screw bores of the support seat, so that the support seat is locked on the barrel of the base.

2. The support rack assembly in accordance with claim 1, wherein the periphery of the barrel of the base is formed with an opening extended to a top of the barrel of the base.

3. The support rack assembly in accordance with claim 2, wherein the periphery of the support seat is formed with an opening aligning with the opening of the barrel of the base.

1 4. The support rack assembly in accordance with claim 1, wherein
2 each of the screw bores of the support seat is located at a lower portion of the
3 support seat.

4 5. The support rack assembly in accordance with claim 1, wherein
5 each of the adjusting screws includes a slide slidably mounted in a respective
6 one of the guide tracks of the barrel, and a threaded rod extended from a distal
7 end of the slide and screwed into a respective one of the screw bores of the
8 support seat.

9 6. The support rack assembly in accordance with claim 5, further
10 comprising a plurality of locking nuts each screwed on the threaded rod of a
11 respective one of the adjusting screws and each rested on an inner wall of the
12 support seat.

13 7. The support rack assembly in accordance with claim 1, wherein
14 the support seat is movable relative to the base by moving the adjusting screws
15 so as to adjust a distance between the support seat and the base, thereby
16 adjusting the height of the support rack assembly.

17 8. The support rack assembly in accordance with claim 1, wherein
18 the support seat is moved downward relative to the base by moving the
19 adjusting screws downward, so that each of the adjusting screws is moved to
20 the lowermost portion of a respective one of the guide tracks of the barrel, so as
21 to reduce the height of the support rack assembly.

1 9. The support rack assembly in accordance with claim 1, wherein
2 the support seat is moved upward relative to the base by moving the adjusting
3 screws upward, so that each of the adjusting screws is moved to the uppermost
4 portion of a respective one of the guide tracks of the barrel and is moved into
5 and locked in the respective limit slot, so as to increase the height of the
6 support rack assembly.